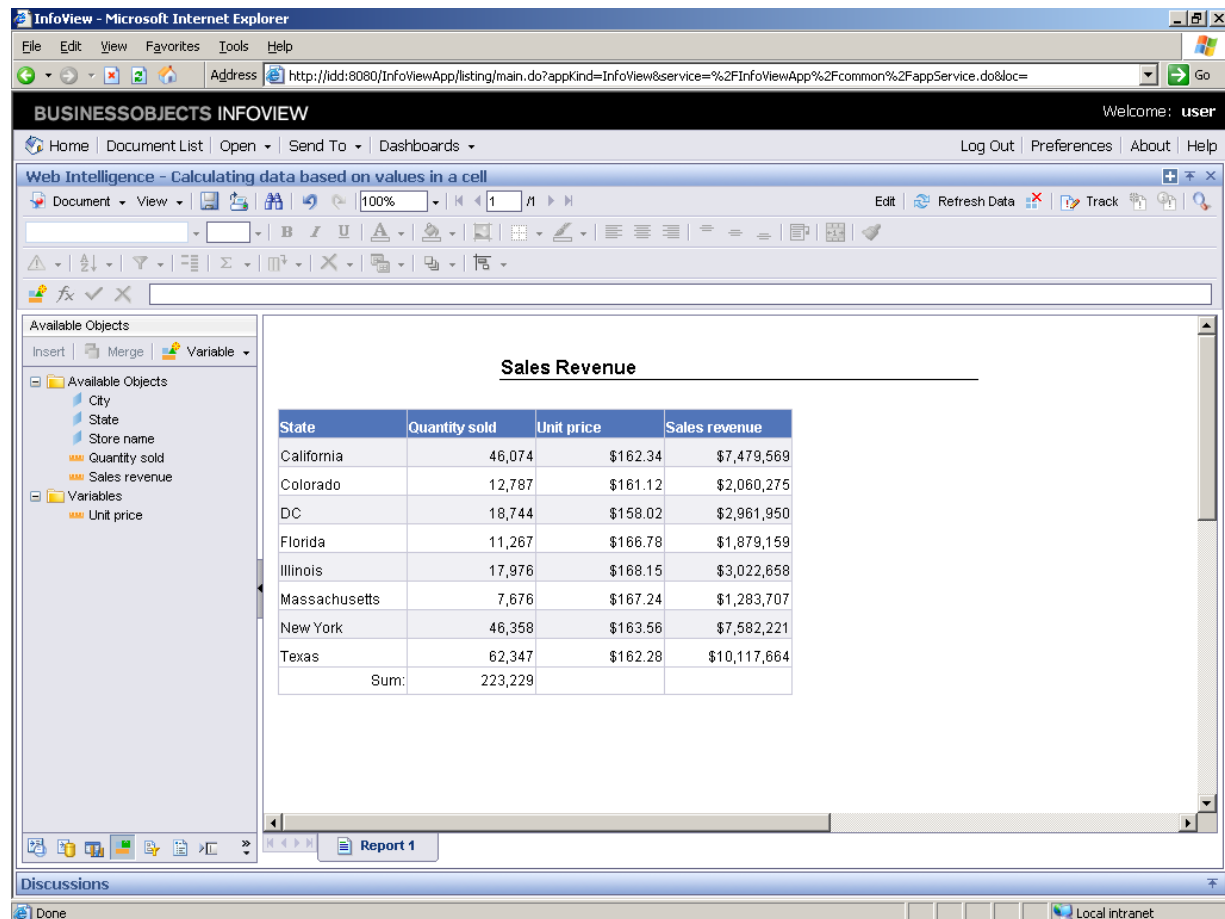


Calculating data based on values in a cell

Procedure

1. Start the transaction using the menu path or transaction code.

Internal



The screenshot shows the Business Objects InfoView web application in a Microsoft Internet Explorer browser. The address bar shows the URL: <http://jdd:8080/InfoViewApp/listing/main.do?appKind=InfoView&service=%2FInfoViewApp%2Fcommon%2FappService.do&loc=>. The page title is "BUSINESSOBJECTS INFOVIEW" and the user is logged in as "user". The main content area displays a table titled "Sales Revenue". The table has four columns: "State", "Quantity sold", "Unit price", and "Sales revenue". The data is as follows:

State	Quantity sold	Unit price	Sales revenue
California	46,074	\$162.34	\$7,479,569
Colorado	12,787	\$161.12	\$2,060,275
DC	18,744	\$158.02	\$2,961,950
Florida	11,267	\$166.78	\$1,879,159
Illinois	17,976	\$168.15	\$3,022,658
Massachusetts	7,676	\$167.24	\$1,283,707
New York	46,358	\$163.56	\$7,582,221
Texas	62,347	\$162.28	\$10,117,664
Sum:	223,229		

The left sidebar shows the "Available Objects" panel with a tree view containing "City", "State", "Store name", "Quantity sold", "Sales revenue", "Variables", and "Unit price". The "Sales revenue" variable is selected. The bottom of the page shows a "Report 1" button and a "Discussions" section.

2. Click an entry in the **Sales revenue** column.

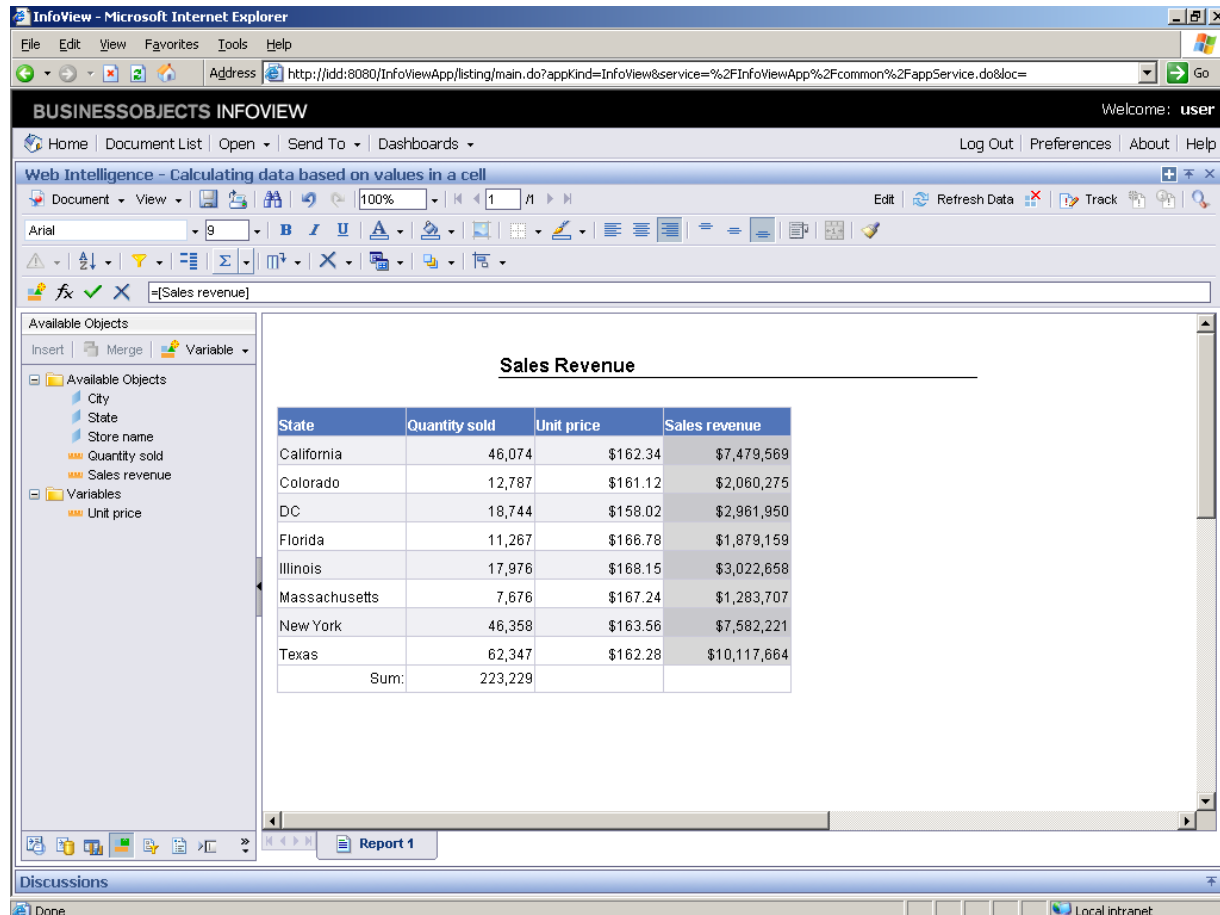
First you want to display the total Quantity sold and the total Sales revenue for all states.

In this exercise, the Quantity sold sum has already been added to the table for you.

Calculating data based on values in a cell

You are going to add total Sales revenue to the table.


Internal



The screenshot shows the Business Objects InfoView application interface. The main window displays a table titled "Sales Revenue" with the following data:

State	Quantity sold	Unit price	Sales revenue
California	46,074	\$162.34	\$7,479,569
Colorado	12,787	\$161.12	\$2,060,275
DC	18,744	\$158.02	\$2,961,950
Florida	11,267	\$166.78	\$1,879,159
Illinois	17,976	\$168.15	\$3,022,658
Massachusetts	7,676	\$167.24	\$1,283,707
New York	46,358	\$163.56	\$7,582,221
Texas	62,347	\$162.28	\$10,117,664
Sum:	223,229		

The interface includes a sidebar with "Available Objects" (City, State, Store name, Quantity sold, Sales revenue, Variables, Unit price) and a bottom section for "Discussions".

- Click **Calculations** .
- Press [Enter] to continue.

The table now displays totals as well as Quantity sold and Sales revenue per state.

Now you want to analyze the percentage of Sales revenue each state earned in relation to the total revenue.


Press **[Enter]** to continue.

5. Press [Enter] to continue.

In Microsoft™ Excel™, you would create a formula to divide each state's Sales revenue by the total sales revenue, as shown here.

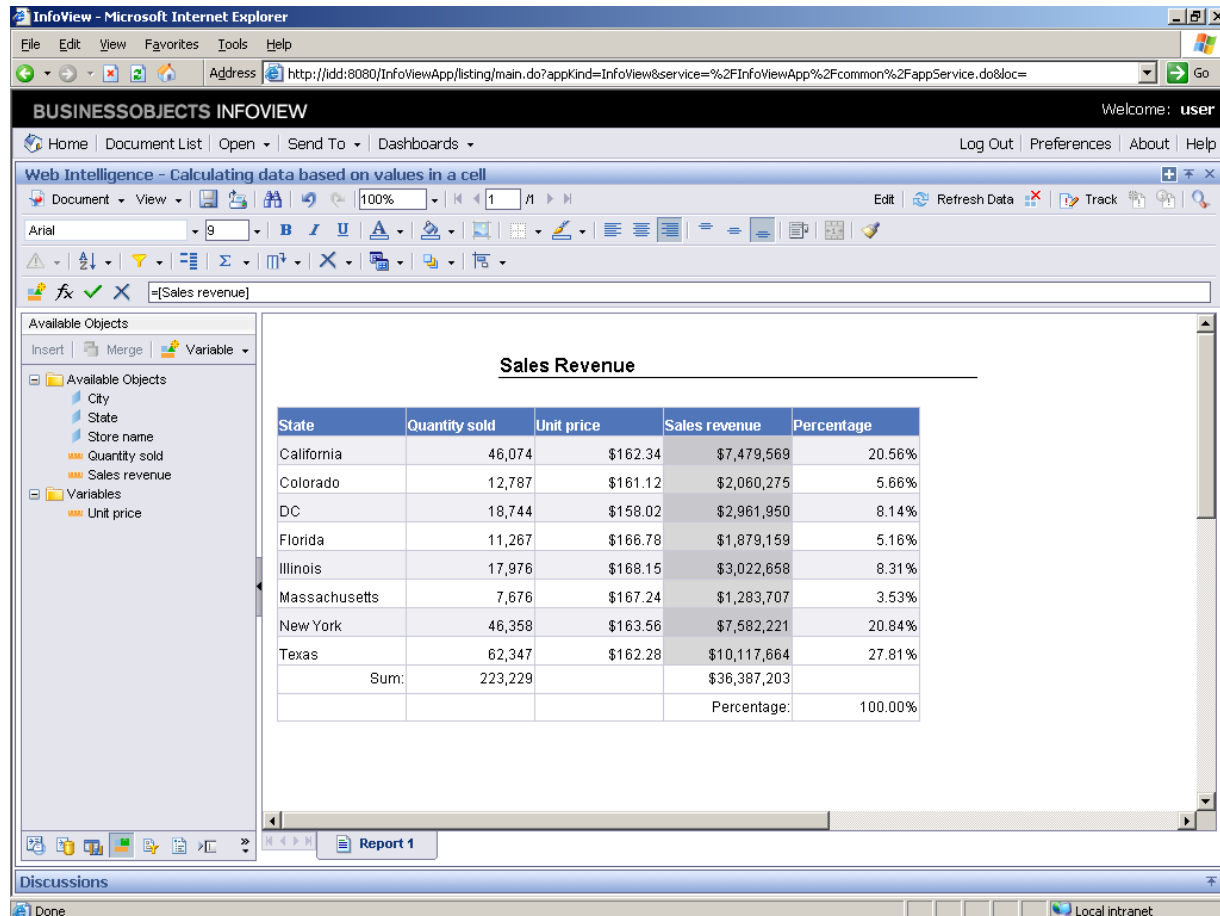
In Web Intelligence, you simply apply a percentage calculation on the Sales revenue column. Web Intelligence will calculate the percentage in relation to the dimensions in the table, in this case for each State.

Press **[Enter]** to continue.

6. Click the **Calculations** drop-down arrow .
7. Click **Percentage**.

Calculating data based on values in a cell

Internal



The screenshot shows the Business Objects InfoView web application interface. The main content area displays a table titled "Sales Revenue". The table has five columns: State, Quantity sold, Unit price, Sales revenue, and Percentage. The Percentage column is highlighted, indicating it is the target of the next step. The table data is as follows:

State	Quantity sold	Unit price	Sales revenue	Percentage
California	46,074	\$162.34	\$7,479,569	20.56%
Colorado	12,787	\$161.12	\$2,060,275	5.66%
DC	18,744	\$158.02	\$2,961,950	8.14%
Florida	11,267	\$166.78	\$1,879,159	5.16%
Illinois	17,976	\$168.15	\$3,022,658	8.31%
Massachusetts	7,676	\$167.24	\$1,283,707	3.53%
New York	46,358	\$163.56	\$7,582,221	20.84%
Texas	62,347	\$162.28	\$10,117,664	27.81%
Sum:	223,229		\$36,387,203	
			Percentage:	100.00%

- Click the **Percentage** column header.

A new column is automatically inserted in the table, and the percentage of total revenue earned by each state is calculated dynamically.

Now edit the column header that was inserted by default.

- As required, complete/review the following fields:

Calculating data based on values in a cell

Field	R/O/C	Description
Filter Sort	R	Example: % of total sales

Enter the desired information in to the **Formula** field.

10. Click **Validate** .
11. Press [Enter] to continue.

It is clear that Texas has earned the most revenue, even though you know that other states have higher populations and more stores.

You want to analyze the other states' results in relation to Texas' revenue. You are going to display each state's revenue as a percentage of Texas' revenue.

Press **[Enter]** to continue.

12. Press [Enter] to continue.

In Excel™, you would create a formula that would divide each state's revenue by Texas revenue, as shown here.

The formula would be tied to the cells that display the state sales revenue figures. If you moved the columns in the spreadsheet, you would have to manually update the formulas again.

Press **[Enter]** to continue.

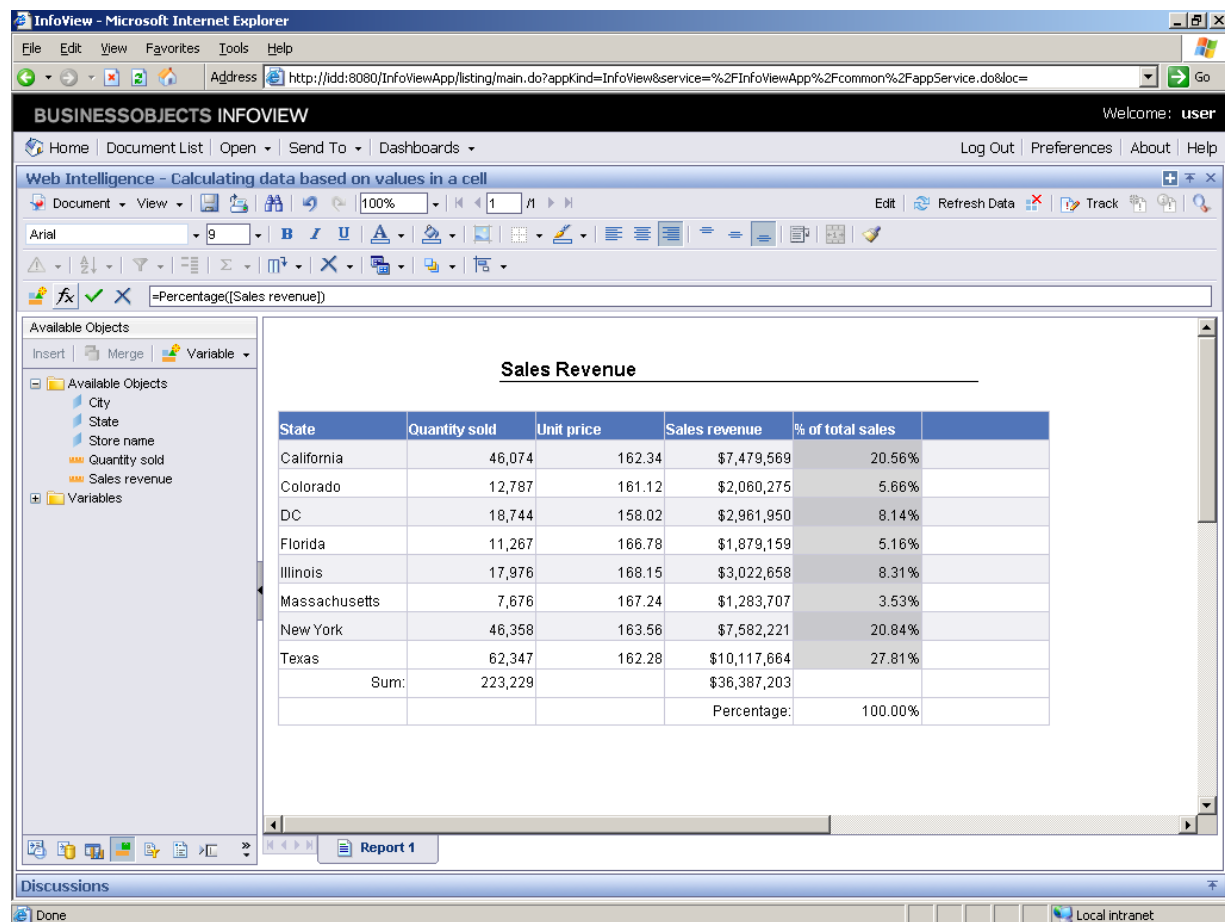
Calculating data based on values in a cell

- Click a **blank cell** in the new column.

In Web Intelligence, the formula you create will update correctly even if you swap columns, or convert the table into a chart.

For this exercise a new column has been added to the table for you, in the application you would add it yourself.

Internal



The screenshot shows the Business Objects InfoView application in a Microsoft Internet Explorer browser. The application title is "BUSINESSOBJECTS INFOVIEW" and the user is logged in as "user". The main window displays a table titled "Sales Revenue" with the following data:

State	Quantity sold	Unit price	Sales revenue	% of total sales	
California	46,074	162.34	\$7,479,569	20.56%	
Colorado	12,787	161.12	\$2,060,275	5.66%	
DC	18,744	158.02	\$2,961,950	8.14%	
Florida	11,267	166.78	\$1,879,159	5.16%	
Illinois	17,976	168.15	\$3,022,658	8.31%	
Massachusetts	7,676	167.24	\$1,283,707	3.53%	
New York	46,358	163.56	\$7,582,221	20.84%	
Texas	62,347	162.28	\$10,117,664	27.81%	
Sum:	223,229		\$36,387,203		
			Percentage:	100.00%	

The formula editor at the top of the table shows the formula `=Percentage([Sales revenue])`. The left sidebar shows the "Available Objects" list, which includes "City", "State", "Store name", "Quantity sold", "Sales revenue", and "Variables". The bottom of the application shows a "Discussions" section and a "Local intranet" status bar.

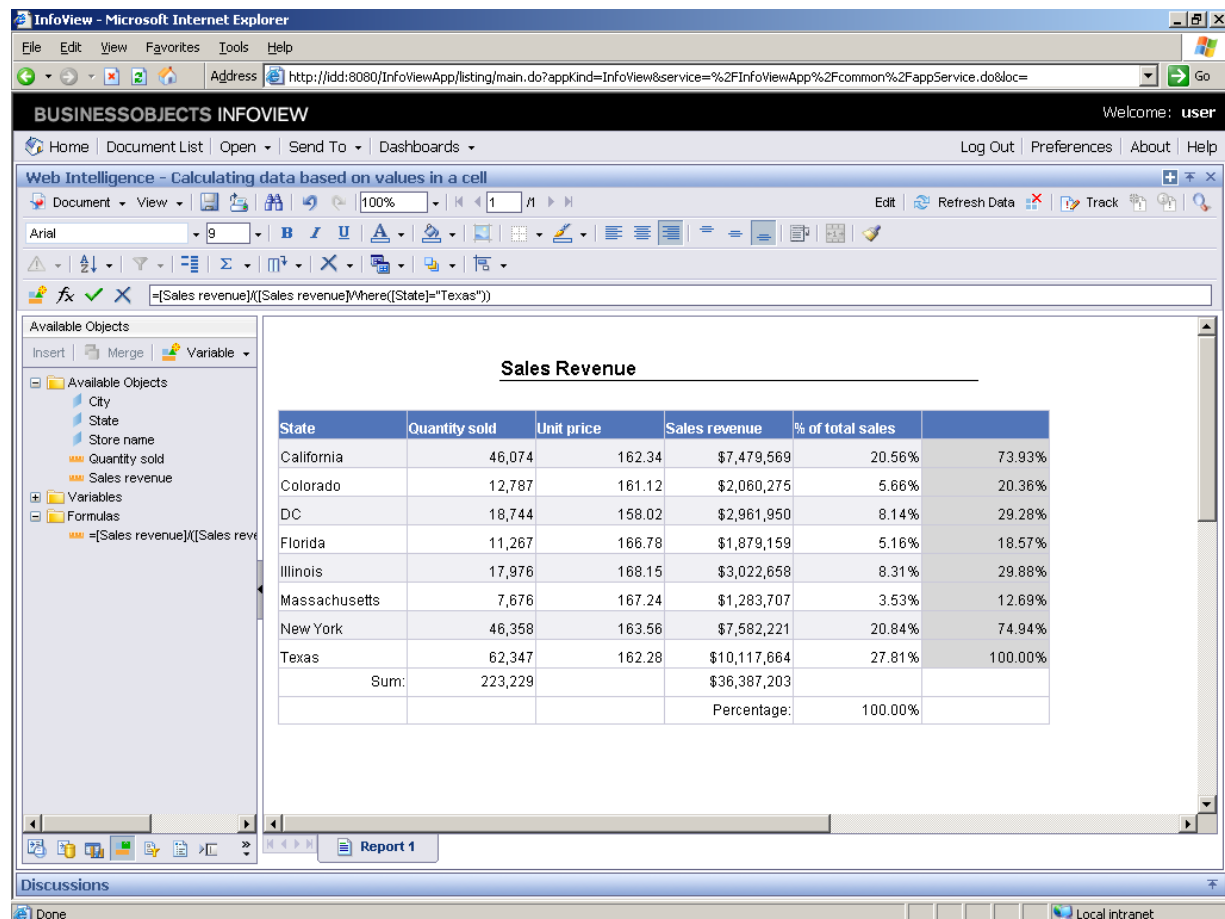
- Click **Formula Editor** .

- Click **OK**.

Calculating data based on values in a cell

In this exercise a formula to calculate each state's Sales revenue as a percentage of Texas' Sales revenue has been created for you. In Web Intelligence you would use the Formula Editor to create the formula yourself.

Internal



The screenshot shows the Business Objects InfoView interface. The main window displays a Web Intelligence report titled "Calculating data based on values in a cell". The report is a table with the following data:

State	Quantity sold	Unit price	Sales revenue	% of total sales	
California	46,074	162.34	\$7,479,569	20.56%	73.93%
Colorado	12,787	161.12	\$2,060,275	5.66%	20.36%
DC	18,744	158.02	\$2,961,950	8.14%	29.28%
Florida	11,267	166.78	\$1,879,159	5.16%	18.57%
Illinois	17,976	168.15	\$3,022,658	8.31%	29.88%
Massachusetts	7,676	167.24	\$1,283,707	3.53%	12.69%
New York	46,358	163.56	\$7,582,221	20.84%	74.94%
Texas	62,347	162.28	\$10,117,664	27.81%	100.00%
Sum:	223,229		\$36,387,203		
			Percentage:	100.00%	

The formula used in the new column is: `=([Sales revenue]/([Sales revenue]Where([State]='Texas')))`.

16. Click the **new** column heading.

The calculated data is displayed in the new column.

In this exercise the data is already formatted in percentages. In the application you would format the column yourself.

You are now going to change the column heading.

Calculating data based on values in a cell

18. As required, complete/review the following fields:

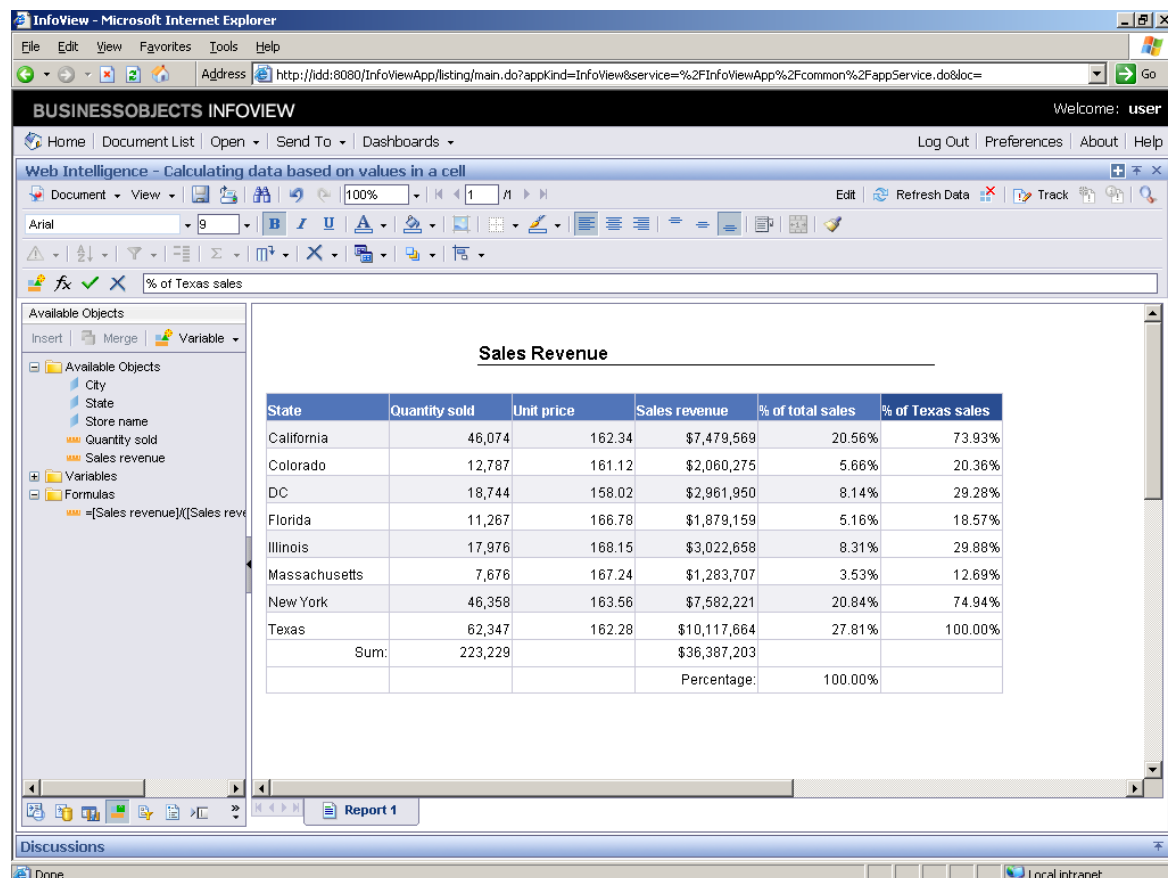
Field	R/O/C	Description
Filter Sort	R	Example: % of Texas sales

Enter the new column title into the **Formula** field.

19. Click **Validate** .

20. Start the transaction using the menu path or transaction code.

Internal



The screenshot shows the Business Objects InfoView interface. The formula bar at the top contains the formula: $\% \text{ of Texas sales}$. The main area displays a table titled "Sales Revenue" with the following data:

State	Quantity sold	Unit price	Sales revenue	% of total sales	% of Texas sales
California	46,074	162.34	\$7,479,569	20.56%	73.93%
Colorado	12,787	161.12	\$2,060,275	5.66%	20.36%
DC	18,744	158.02	\$2,961,950	8.14%	29.28%
Florida	11,267	166.78	\$1,879,159	5.16%	18.57%
Illinois	17,976	168.15	\$3,022,658	8.31%	29.88%
Massachusetts	7,676	167.24	\$1,283,707	3.53%	12.69%
New York	46,358	163.56	\$7,582,221	20.84%	74.94%
Texas	62,347	162.28	\$10,117,664	27.81%	100.00%
Sum:	223,229		\$36,387,203		
			Percentage:	100.00%	

21. Press [Enter] to continue.

You can now see the percentage of Texas' revenue earned by each state, in order to identify actions that might improve the other states' results.

Press **[Enter]** to continue.